



C14-AEI-404

4416

BOARD DIPLOMA EXAMINATION, (C-14)
SEPTEMBER/OCTOBER - 2020
DAEIE—FOURTH SEMESTER EXAMINATION

PROGRAMMING IN C

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List the character set of C language.
2. List three logical operators supported by C.
3. Define nested loops.
4. Write the syntax of switch-case statement.
5. List three functions used for reading strings.
6. Write the syntax of initialization of one-dimensional array.
7. State the application of external declaration.

- * 8. Write the syntax for initialization of pointer.
9. Define the term 'union'.
10. List six conditional preprocessor directives.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. (a) Explain nested assignments. 5
- (b) Explain increment and decrement operators. 5
12. Write a program to find the sum of given number using 'if' statement.
13. Explain if-else and if-else-if statements.
14. Explain passing array elements as arguments and arrays as argument.
15. Explain string handling functions strcpy() and strlen().
16. Write a C program to find Fabonacci series using recursion.
- * 17. Explain the relationship between array and pointer.
18. Explain the preprocessor directives #define, #include with examples.
